

(Form PTO-1449)

Sheet 1 of 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.: 3364/1 (PHA 4176)	APPLICATION NO.: 09/839,424
	INVENTOR: Brown, et. al.	
	Filed: 4/20/01	Group: 1625

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

[illegible]

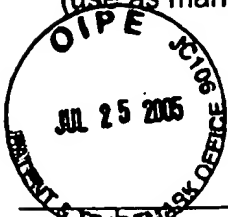
EXAMINER <i>B. Dentz</i>	DATE CONSIDERED <i>10-5-2015</i>
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Complete if Known

Application Number	09/839,424
Filing Date	04-20-2001
Confirmation Number	1761
First Named Inventor	D. Brown
Group Art Unit	1614
Examiner Name	TBA
Attorney Docket No.	3364(PHA 4176)

Sheet 3 of 8

BA	30	5,639,777	B1	Lee	06-17-1997
	31	5,663,180	B1	Reitz et al.	09-02-1997
	32	5,668,161	B1	Talley et al.	09-16-1997
	33	5,670,510	B1	Huang et al.	09-23-1997
	34	5,672,626	B1	Huang et al.	09-30-1997
	35	5,672,627	B1	Huang et al.	09-30-1997
	36	5,719,163	B1	Norman et al.	02-17-1998
	37	5,736,579	B1	Reitz et al.	04-07-1998
	38	5,739,166	B1	Reitz et al.	04-14-1998
	39	5,756,529	B1	Isakson et al.	05-26-1998
	40	5,760,068	B1	Talley et al.	06-02-1998
	41	5,859,036	B1	Sartori et al.	01-12-1999
	42	5,859,257	B1	Talley	01-12-1999
	43	5,886,016	B1	Talley et al.	03-23-1999
	44	5,908,852	B1	Talley et al.	06-01-1999
✓	45	5,916,905	B1	Weier et al.	06-29-1999
BD	46	5,932,598	B1	Talley et al.	08-03-1999

Examiner Signature	B. Denty	Date Considered	10-5-2005
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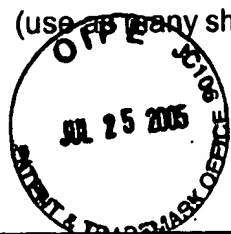
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			First Named Inventor	D. Brown	
			Group Art Unit	1614	
			Examiner Name	TBA	
Sheet	4	of	8	Attorney Docket No.	3364(PHA 4176)

47	5,935,990	B1	Khanna et al.	08-10-1999			
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
** BD	48	EP	197704	A2	GEC Avinoics Limited	10-15-1986	
** BD	49	EP	26928	A1	CDC Life Sciences Inc.	04-15-1981	
** BD	50	EP	745596	A1	Japan Tobacco, Inc.	12-04-1996	
	51	EP	799823	A1	Sankyo Company Limited	10-08-1997	
	52	GB	2294879	A	Merck & Co Inc.	05-15-1996	
	53	JP	1045374	A	Kokusai Shiyaku KK (abstract)	02-17-1989	
	54	JP	4277724	A	Sumitomo Electric Ind. Ltd. (abstract)	10-02-1992	
	55	JP	5323522	A	Fuji Photo Film Co Ltd. (abstract)	12-07-1993	
	56	WO	92/05162	A1	Taiho Pharmaceutical Co., Ltd.	04-02-1992	
	57	WO	92/19604	A1	Taiho Pharmaceutical Co., Ltd.	11-12-1992	
BD	58	WO	93/14082	A1	Smith-Kline Beecham Corporation	07-22-1993	

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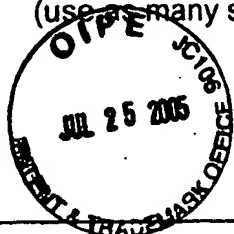
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				Group Art Unit	1614
				Examiner Name	TBA
Sheet	5	of	8	Attorney Docket No.	3364(PHA 4176)

B7	59	WO	94/13635	A1	Merck Frosst Canada Inc.	06-23-1994	
	60	WO	94/15932	A1	G.D. Searle & Co.	07-21-1994	
	61	WO	94/20480	A1	Merck Frosst Canada Inc.	09-15-1994	
	62	WO	94/26731	A1	Merck Frosst Canada Inc.	11-24-1994	
	63	WO	95/00501	A2	Merck Frosst Canada Inc.	01-05-1995	
	64	WO	95/30652	A1	G.D. Searle & Co.	11-16-1995	
	65	WO	95/30656	A1	G.D. Searle & Co.	11-16-1995	
	66	WO	96/03387	A1	G.D. Searle & Co.	02-08-1996	
	67	WO	96/03388	A1	G.D. Searle & Co.	02-08-1996	
	68	WO	96/09293	A1	G.D. Searle & Co.	03-28-1996	
	69	WO	96/19462	A1	Japan Tobacco Inc. (abstract)	06-27-1996	
	70	WO	96/19463	A1	Japan Tobacco Inc. (abstract)	06-27-1996	
	71	WO	96/36617	A1	G.D. Searle & Co.	11-21-1996	
	72	WO	96/37476	A1	G.D. Searle & Co.	11-28-1996	
	73	WO	97/16435	A1	Merck Frosst Canada Inc.	05-09-1997	
	74	WO	97/25045	A1	SmithKline Beecham Corporation	07-17-1997	
B7	75	WO	97/25047	A1	SmithKline Beecham Corporation	07-17-1997	

Examiner Signature	<i>R. Dentz</i>	Date Considered	10-5-2005
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BD	76	WO	97/25048	A1	SmithKline Beecham Corporation	07-17-1997	
	77	WO	98/03484	A1	Merck Frosst Canada Inc.	01-29-1998	
	78	WO	98/07425	A1	SmithKline Beecham Corporation	02-26-1998	
	79	WO	98/11080	A1	Laboratories UPSA	03-19-1998	
	80	WO	98/22442	A1	Angelini Recherche S.p.A.	05-28-1998	
	81	WO	98/47890	A1	G.D. Searle & Co.	10-29-1998	
J	82	WO	99/14205	A1	Almirall Prodesfarma SA	03-25-1999	
BD	83	WO	99/64415	A1	Pfizer Inc.	12-16-1999	

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
BD	84	NASJLETTI, A. "The Role of Eicosanoids in Angiotensin-Dependent Hypertension." Hypertension, 1998, pp. 194-200, Vol. 31, No. 1, Part 2..	
L	85	AHLUWALIA, et al., "Mechanism of the Debromination in Heteocyclization Using a,a-Dibromocarbonyl Compounds as Synthons." Synth. Commun., 1989, pp. 619-626, Vol. 19, Nos. 3&4.	
BD	86	MUKERJEE et al., "Synthesis of Some Formazans and tetrazolium salts as antiviral agents." Acta. Pharma. Jugosl., 1981, pp. 151-158, Vol. 31.	
		SPEIR et al., "Aspirin Attenuates Cytomegalovirus Infectivity and Gene Expression Mediated by	

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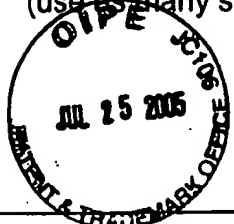
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87	Cyclooxygenase-2 in Coronary Artery Smooth Muscle Cells." Circ. Res., 1998, pp. 210-216, Vol. 83, No. 2.	
88	BAGETTA et al., "HIV-1 gp120-Induced Apoptosis in the Rat Neocortex Involves Enhanced Expression of Cyclo-Oxygenase Type 2 (Cox-2)." Biochem. Biophys. Res. Commun., 1998, pp. 819-824, Vol. 244.	
89	DOROFEENKO et al., Khim. Farm. Zh., 1982, pp. 920-921, Vol. 16.	
90	GIERSE et al., "Expression and selective inhibition of the constitutive and inducible forms of human cyclo-oxygenase." J. Biochem, 1995, pp. 479-484, Vol. 305, Part 2.	
91	BOSCH, et al., "Efficacy and Tolerability of Intramuscular and Oral Meloxicam in Patients with Acute Lumbago: A Comparison with Intramuscular and Oral Piroxicam." Curr. Med. Res. Opin., 1997, pp. 29-38, Vol. 14, No. 1.	
92	FAID-ALLAH et al., "Pyrazole Derivatives with Possible Hypoglycemic Activity." Ind. J. Chem., 1988, pp. 245-249, Vol. 27.	
93	HARGREAVES et al., "A New and Sensitive Method for Measuring thermal Nociception in Cutaneous Hyperalgesia." Pain, 1988, pp. 77-88, Vol. 32.	
94	HUANG, et al., "A Novel ONe-Pot Conversion of Methyl Sulfones to Sulfonamides." Tetrahedron Letters, 1994, pp. 7201-7204, Vol. 35, No. 39.	
95	SINGER et al., "Cyclooxygenase 2 Is Induced in Colonic Epithelial Cells in Inflammatory Bowel Disease." Gastroenterology, 1998, pp. 297-306, Vol. 115, No. 2.	
96	MIYAMOTO et al., "The effect of cyclooxygenase-2 inhibitor on experimental allergic neuritis." Neuro Report, 1998, pp. 2331-2334, Vol. 9, No. 10.	
97	SUBBARAMAIAH et al., "Inhibition of Cyclooxygenase: A Novel Approach to Cancer Prevention (44170)." Proc. Soc. Exp. Biol. Med., 1997, pp. 201-210, Vol. 216, No. 2.	

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Sheet	8	of	8	Attorney Docket No.	3364(PHA 4176)
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B	98	WILSON, et al., "Increased Expression of Inducible Nitric Oxide Synthase and Cyclooxygenase-2 in Barrett's Esophagus and Associated Adenocarcinomas." Cancer Res., 1998, pp. 2929-2934, Vol. 58, No. 14.	
	99	KHARASCH, et al., "Derivatives of Sulfenic Acids. V. I-Fluorenone Sulfur Compounds." Am. Chem. Soc., 1951, pp. 3240-3244, Vol. 73, No. 7.	
	100	BUSTOS, et al., "Modulation of Eicosanoid Metabolism in Endothelial Cells in a Xenograft Model." J. Clin. Invest., 1997, pp 1150-1158, Vol. 100, No. 5.	
	101	SHOUP, et al., "Cyclooxygenase-2 Inhibitor NS-398 Improves Survival and Restores Leukocyte Counts in Burn Infection." J. Trauma: Inj. Infect., Crit Care, 1998, pp 215-221, Vol. 45, No. 2.	
	102	TSUJII et al., "Cyclooxygenase Regulates Angiogenesis Induced by Colon Cancer Cells." Cell, 1998, pp. 705-716, Vol. 93, No. 5.	
	103	BARNES et al., "Cyclooxygenase-2 Expression in Airway Cells." Lung Biol. Health Dis, 1998, pp. 111-127, Vol. 114.	
	104	REID, et al., "Some New β -Diketones Containing the Trifluoromethyl Group." J. Amer. Chem. Soc., 1950, pp 2948-2952, Vol. 72, No. 7.	
	105	BUCKMAN et al., "Cox-2 Expression is Induced by UVB Exposure in Human Skin: Implications for the development of skin cancer." Carcinogenesis, 1998, pp. 723-729, Vol. 19, No. 5.	
	106	NOGAWA et al., "Interaction between inducible nitric oxide synthase and cyclooxygenase-2 after cerebral ischemia." Proc. Natl. Acad. Sci., 1998, pp. 10966-10971, Vol. 95, No. 18.	
	107	DIKSHIT, et al., "Synthesis and biological activity of 2,3- and 3,4-diaryl furans and 2,3,4-triaryl-2,5-dihydrofurans." Indian J. Chem, Sect. B, 1990, pp 954-960, Vol. 29B, No. 10.	
B	108	MIYAURA, et al., "The Palladium-Catalyzed Cross-Coupling Reaction of Phenylboronic Acid with Haloarenes in the Presence of Bases." Synth. Commun., 1981, pp. 513-519, Vol. 11, No. 7.	

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